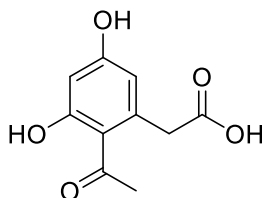


Curvulinic acid

Code No.: **BIA-C2529**

Pack sizes: **0.25 mg, 1 mg**



Synonyms : 2-(2-Acetyl-3,5-dihydroxyphenyl)acetic acid

Specifications

CAS #	: 19053-94-2
Molecular Formula	: C ₁₀ H ₁₀ O ₅
Molecular Weight	: 210.18
Source	: <i>Curvularia</i> sp.
Appearance	: Orange solid
Purity	: >95% by HPLC
Long Term Storage	: -20°C
Solubility	: Soluble in methanol or DMSO

Application Notes

Curvulinic acid is a phytotoxin isolated from various members of *Curvularia* sp., inhibiting seed germination and root growth of *Capsella bursa-pastoris*. Curvulinic acid has negligible antibiotic and antifungal activity.

References

1. Biochemistry of microorganisms. I. Curvulin and curvulinic acid, metabolic products of *Curvularia siddiquii*. Kamal A. et al. Tetrahedron 1962, 18, 433.
2. Constituents of some *Curvularia* species. Coombe R.G. et al. Aust J Chem. 1968 21, 783.
3. Herbicidal activity of curvulinic acid isolated from *Nimbya alternantherae*. Li J. et al. Nat prod comm. 2012, 7, 51.
4. Spirocyclic lactams and curvulinic acid derivatives from the endophytic fungus *Curvularia lunata* and their antibacterial and antifungal activities. Hilario F. et al. Fitoterapia 2020, 141, 104466.